

FIG. 1

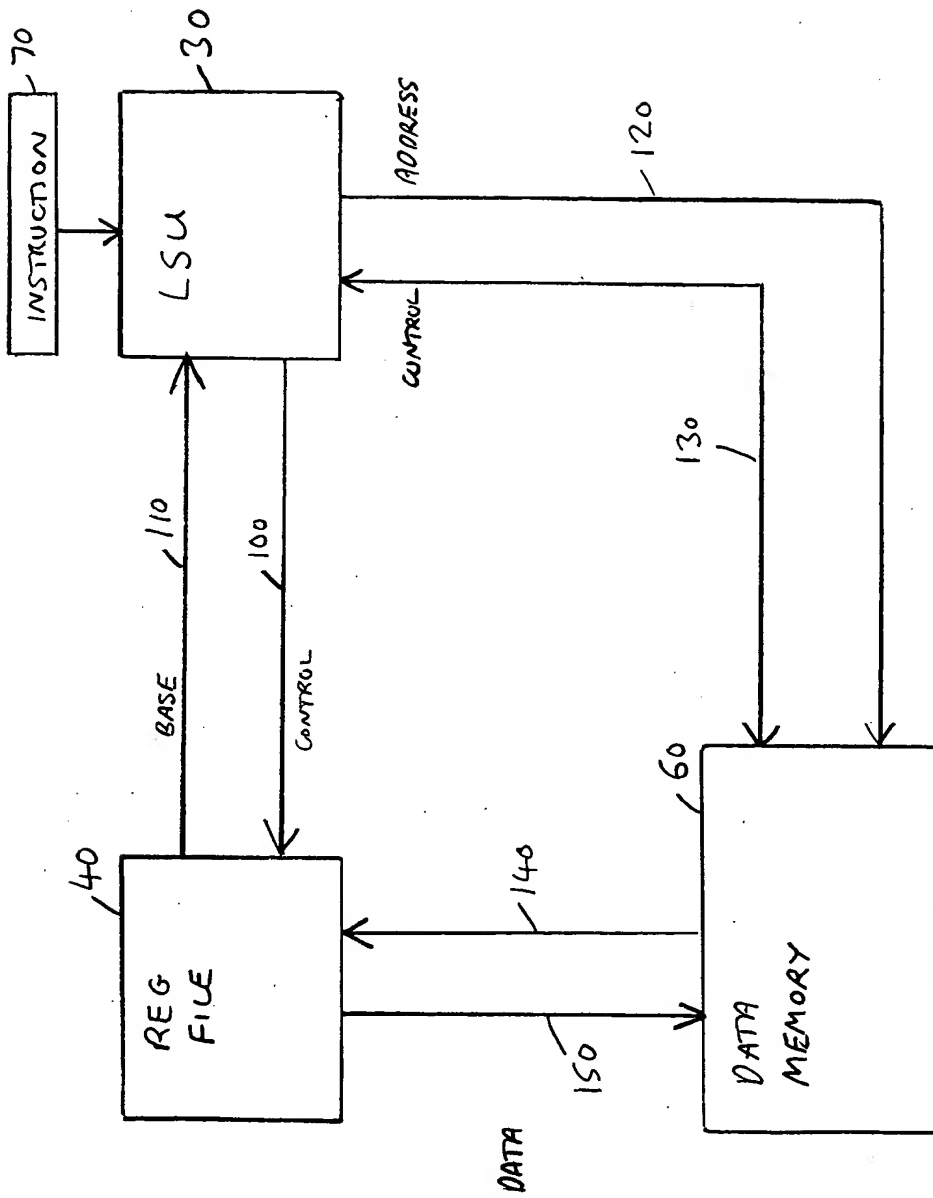


FIG. 2

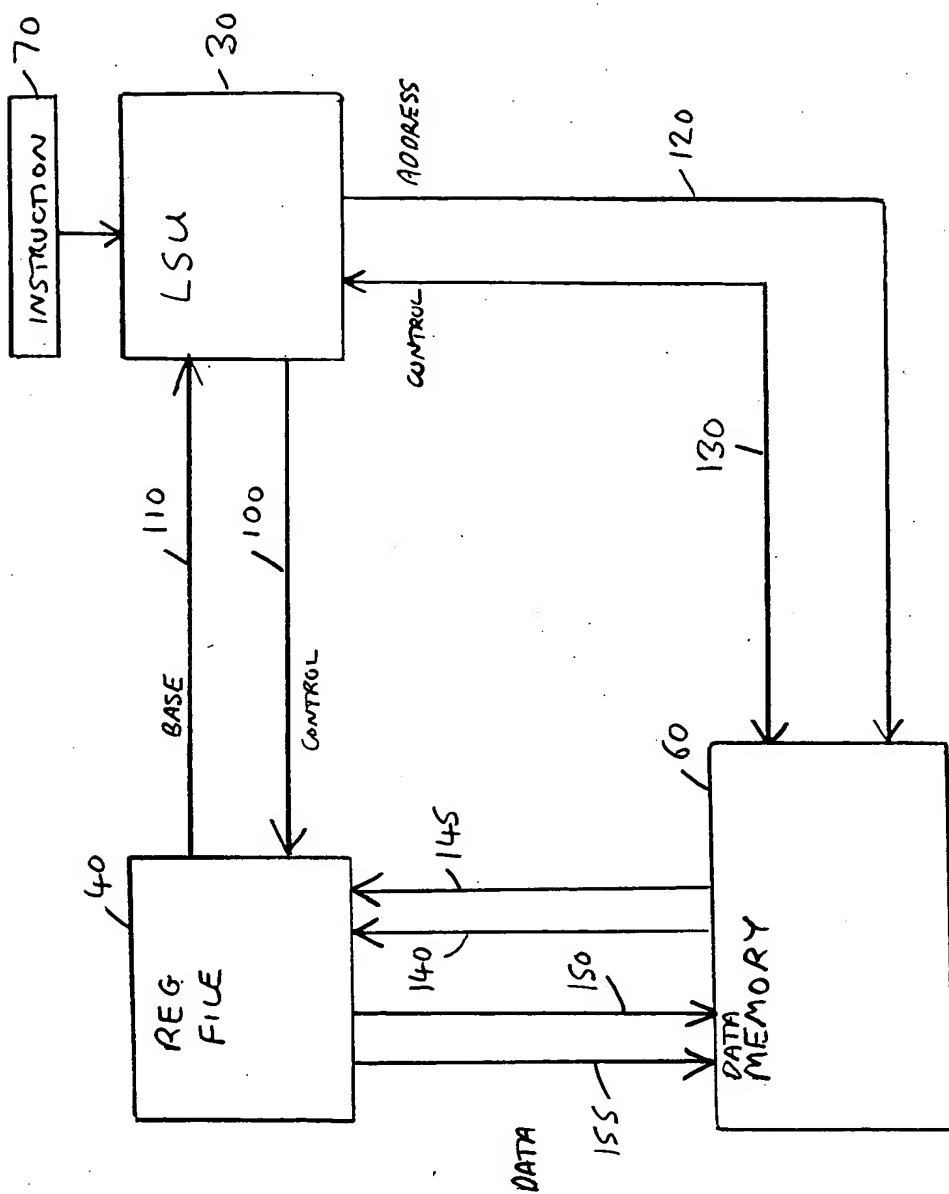


FIG. 3

LDAD_{NEW} $R_x, R_y, [R_z, \#offset]$

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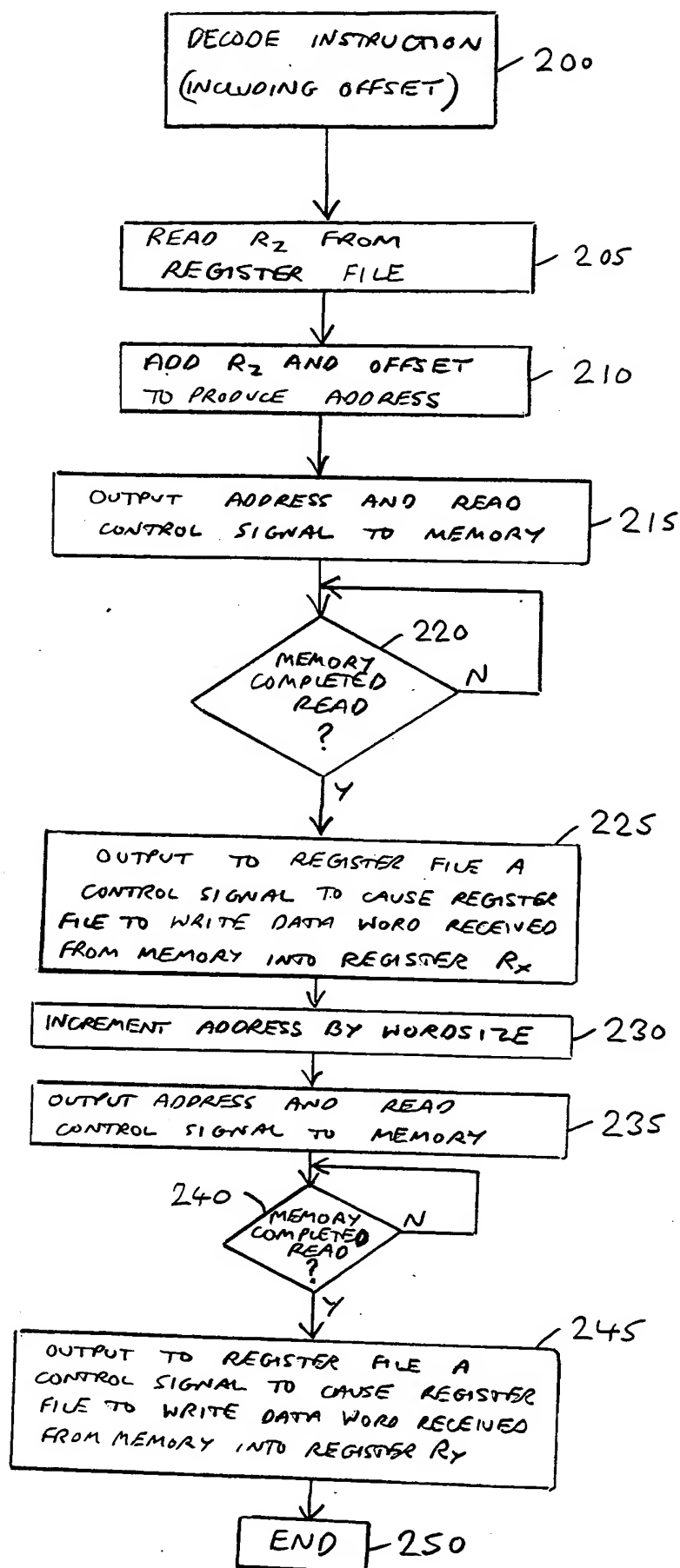


FIG. 4

LOAD_{new} $R_x, R_y, [R_z, \#offset]$

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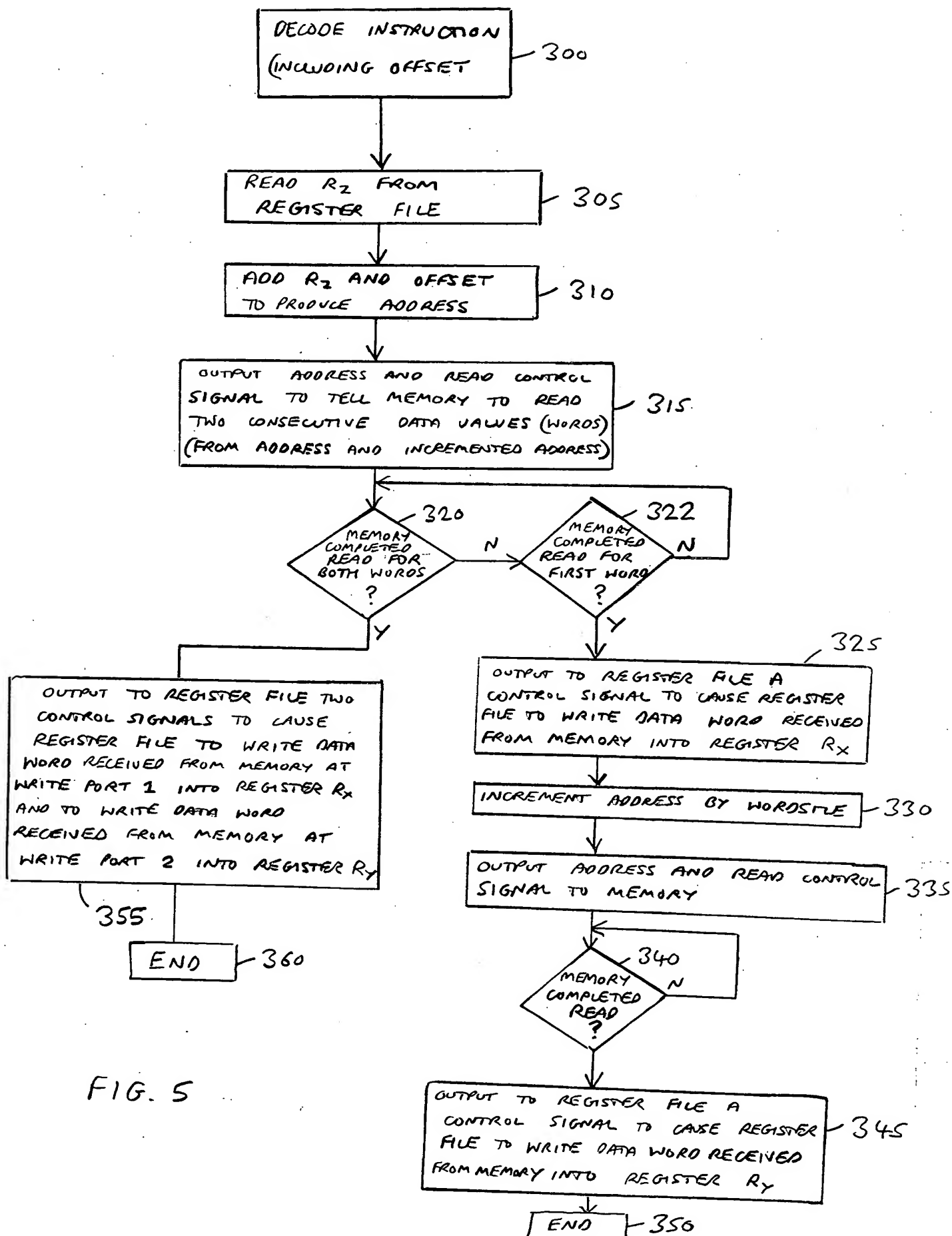


FIG. 5

STRD_{NEW} R_x, R_y, [R_z, # OFFSET]

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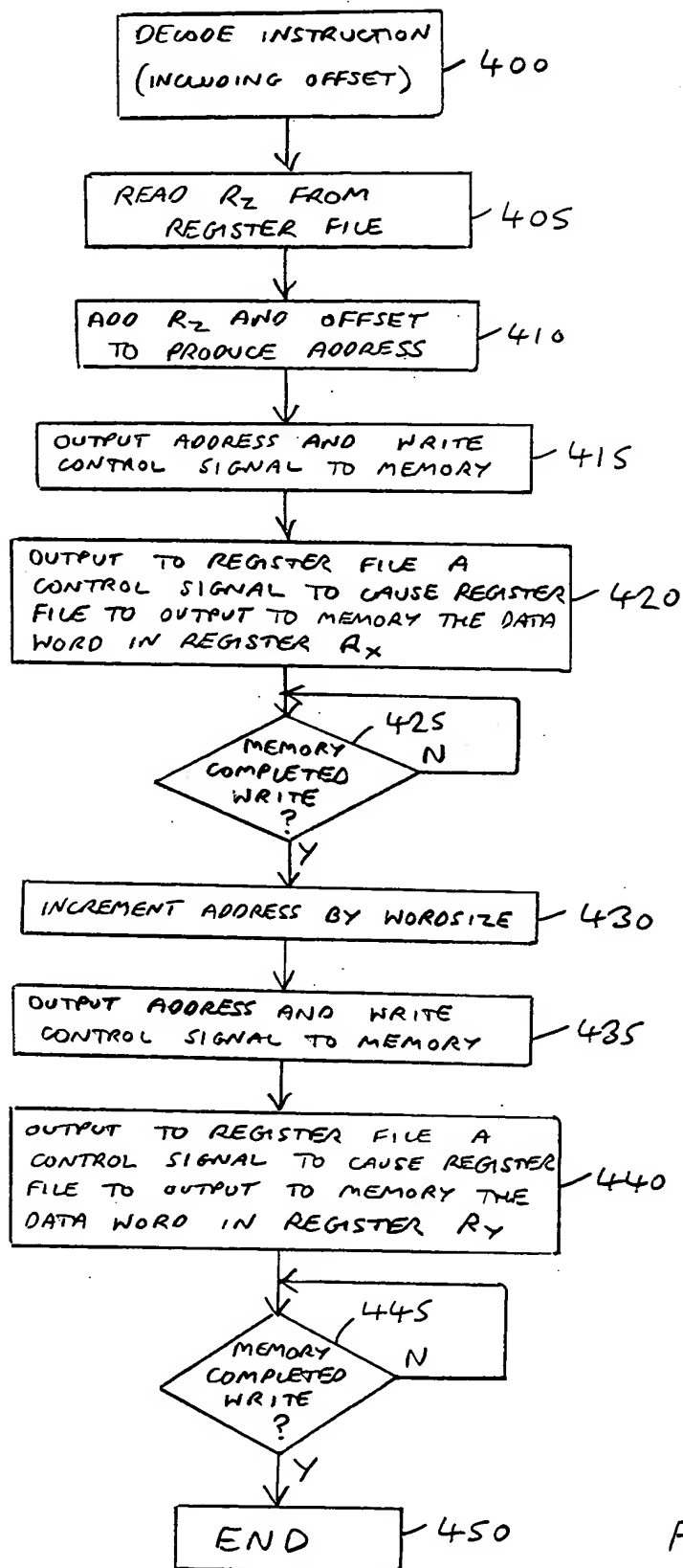


FIG. 6

STRD_{NEW} R_x, R_y, [R_z, #OFFSET]

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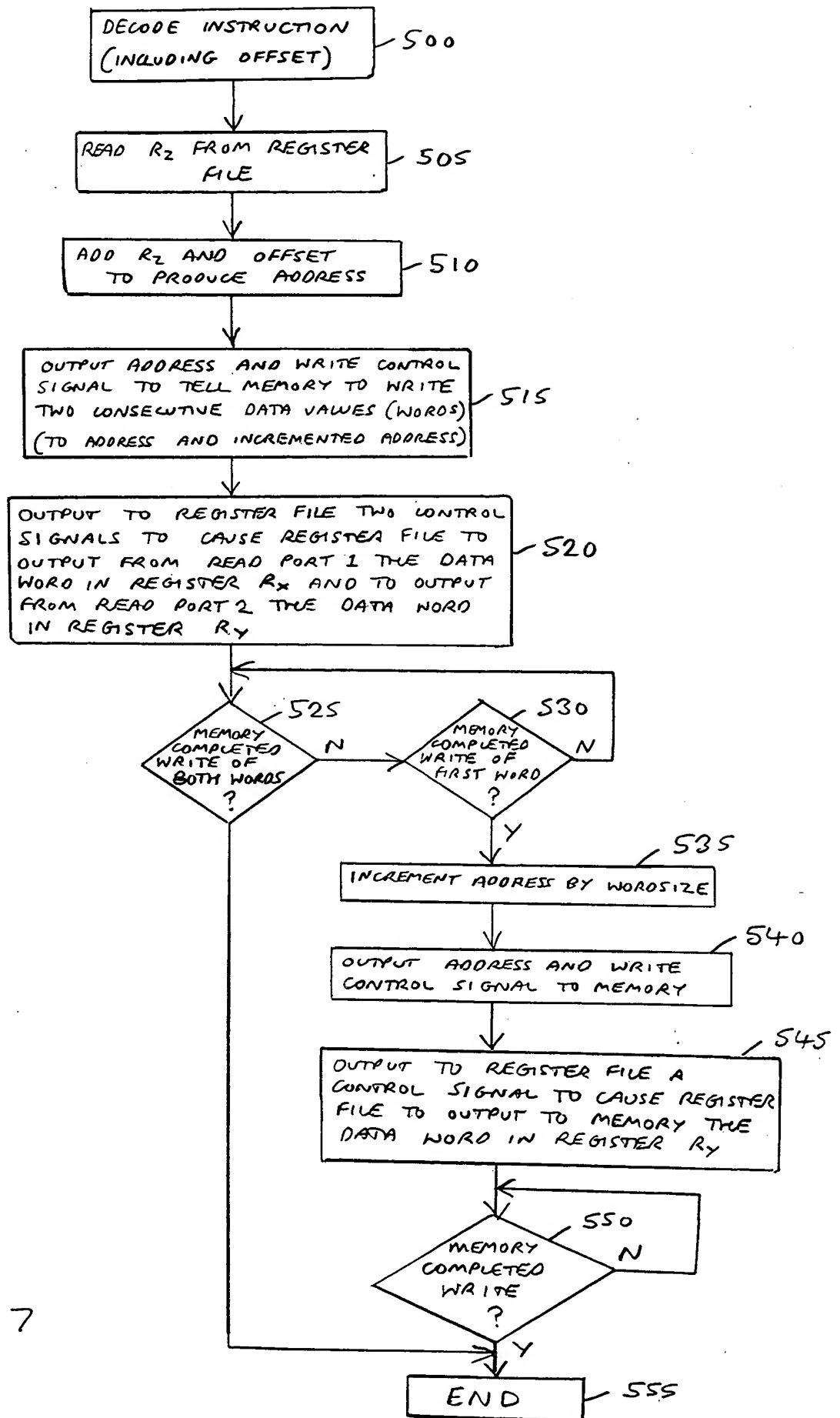


FIG. 7

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$$\begin{array}{l} \text{LDR } R0, [R4, \#0] \\ \text{LDR } R1, [R4, \#4] \end{array} \left\{ \begin{array}{l} \text{LDMIA } R4, \{R0, R1\} \\ \text{LDRD } R0, [R4, \#0] \\ \text{LORD}_{\text{NEW}} R0, R1, [R4, \#0] \end{array} \right.$$

FIG. 8A

$$\begin{array}{l} \text{LDR } R0, [R4, \#8] \\ \text{LDR } R1, [R4, \#12] \end{array} \left\{ \begin{array}{l} \text{X LDMIA} \\ \text{LDRD } R0, [R4, \#8] \\ \text{LORD}_{\text{NEW}} R0, R1, [R4, \#8] \end{array} \right.$$

FIG 8B

$$\begin{array}{l} \text{LDR } R0, [R4, \#0] \\ \text{LDR } R2, [R4, \#4] \end{array} \left\{ \begin{array}{l} \text{LDMIA } R4, \{R0, R2\} \\ \text{X LORD} \\ \text{LORD}_{\text{NEW}} R0, R2, [R4, \#0] \end{array} \right.$$

FIG 8C

$$\begin{array}{l} \text{LDR } R2, [R4, \#4] \\ \text{LDR } R0, [R4, \#8] \end{array} \left\{ \begin{array}{l} \text{X LDMIA} \\ \text{X LORD} \\ \text{LORD}_{\text{NEW}} R2, R0, [R4, \#4] \end{array} \right.$$

FIG. 8D

$$\begin{array}{l} \text{LDR } R0, [R4, \#12] \\ \text{LDR } R1, [R4, \#16] \end{array} \left\{ \begin{array}{l} \text{X LDMIA} \\ \text{X LORD} \\ \text{LORD}_{\text{NEW}} R0, R1, [R4, \#12] \end{array} \right.$$

FIG 8E

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hw1										hw2									
15																			0
	11	10	9	8	7	6	5	4	3		0	15		12	11		8	7	
1	1	0	1	0	0	P	U	1	W	L	Rbase	Rxf	Rxf2						imm8

FIGURE 9